PERFORMER

Digital Partyline

Audio Assignment Software for C44

User Manual

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1 GENERAL

Thank you for purchasing this Riedel product.

In order to make the installation and use of this product as simple as possible, we have compiled the following user manual.

Please carefully read the following information before using or installing the Audio Assignment Software.

The software is designed to work with the Performer C44 system interfaces, version 1.14 or higher. If a C44 unit has a version 1.12 or lower please contact your local distributor.

This document describes how to install the software and how to configure the hardware. A short description how to use the software is also given.

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3 SETUP

The Audio Assignment Software (AAS) and operating environment can easily be implemented by carrying out the following simple and straightforward instructions.

3.1 What's needed?

The following items are required in order to install and establish the software set-up.

- Personal computer (Microsoft Windows 2000/XP/VISTA) with a RS232 interface
- Audio Assignment Software (included in C44 package)
- Null-modem cable (included in C44 package)
- Performer C44 device

3.2 PC Requirements

The minimum PC specification recommended for running the Audio Assignment Software successfully is as follows:

- Minimum 1GHz Pentium processor
- 5 MB of free hard disk space
- 512 MB RAM
- Minimum of 1024 x 768 monitor resolution, capable of displaying 256 colours
- Microsoft Windows 2000/XP/VISTA operating system
- RS232 connector (alternative: USB to RS232 converter or similar)
- Microsoft .NET Framework 2.0 installed
- CD ROM drive (CD-R)
- Mouse or other pointing device

3.3 Software Installation

To install the Audio Assignment Software (AAS) on your computer, simply insert the Riedel Performer CD into your CD-Rom drive and follow the instructions. The installation process should start automatically (administrator rights required).

However, if it doesn't, open the CD content with your MS explorer and run the **SETUP.EXE** file. The AAS installation context should start now.

Follow the instructions on the display. The Audio Assignment Software is a One-Click-Install application. After running setup.exe you will find an application reference in your start menu under **Start → Programs →Riedel Communications**

If the installation aborts during the setup process, because Microsoft .NET Framework is NOT installed on your computer, please run the **Microsoft .NET Framework 2.0\dotnetfx.exe** from the installation CD.

The Installation of the Framework may take several minutes. When finished, please run the **SETUP.EXE** again. The installation should now finish without any problems.

3.3.1 Default Configuration File

The installation CD contains the default C44 audio matrix configuration file which is not required for the installation. To set the C44 back to default, please copy the file **default.aas** to the AAS working directory of your choice. The file **default.aas** contains the default AAS configuration which is also the initial configuration of the C44 when shipped. It can be used to reload the initial configuration into the C44 once it has been changed.

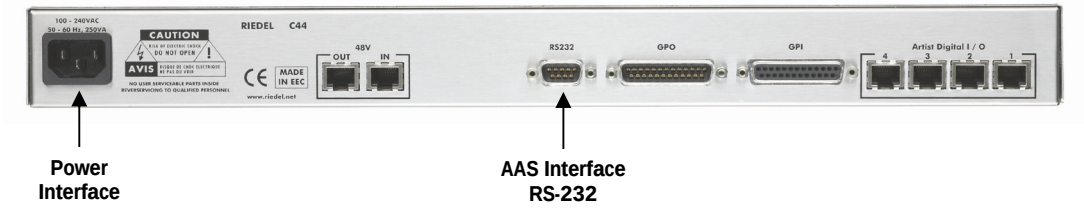
3.4 Important Prerequisites

Note: If the C44 is connected to a Riedel matrix via the digital Artist ports of the C44, the Audio Assignment Software is disabled. All C44 audio cross points are in a 1 to 1 mode! The AAS indicates: "C44 – Connected (Artist)". Thus, the AAS can only be used if the C44 is in a 'stand alone mode'!

Note: If no DIP switch is set (active) at the C44, the AAS cannot be set to Live Mode or changes cannot be written to the C44 although the connection is established correctly!

3.5 Hardware Connection

Connect the null-modem cable to the PC and the C44 RS232 connector. Ensure the C44 is powered correctly ('DCint' & 'DC ok' LEDs at the front light up).



Start the Audio Assignment Software on your computer.

Start → Programs → Riedel Communications

3.5.1 COM Port Settings

Normally, the AAS configures the used com port automatically when it is selected.

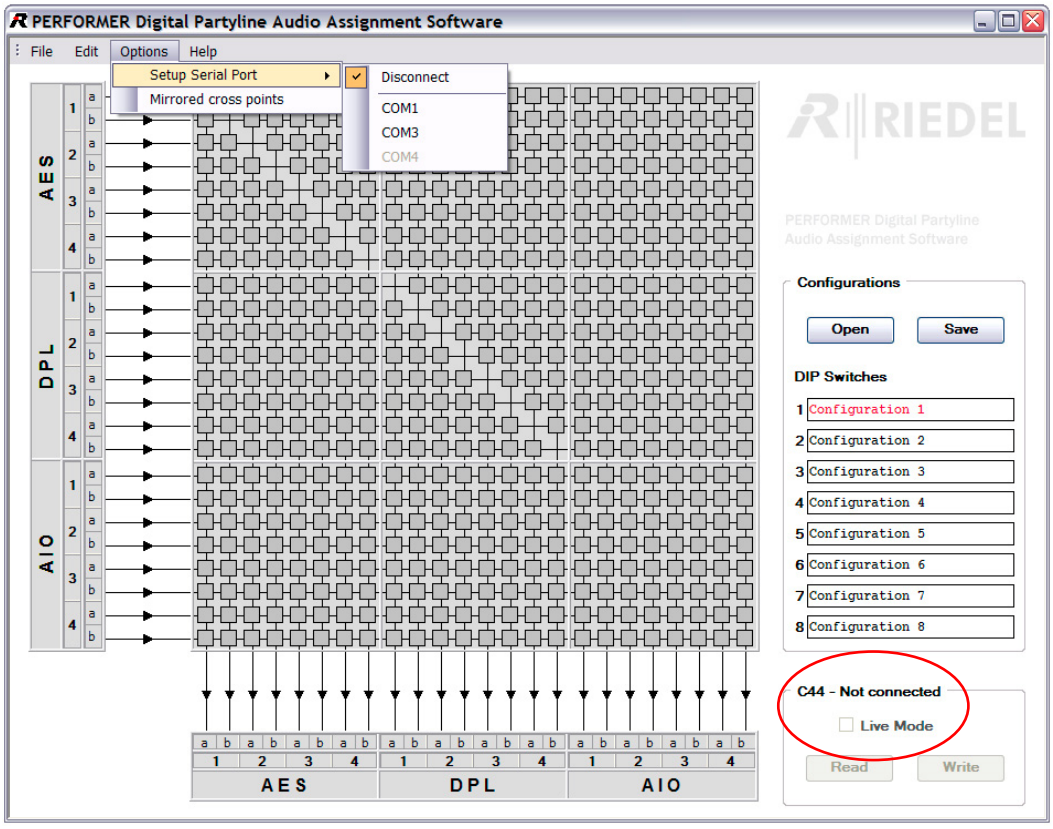
To change the COM port setting of your computer, simply go to **Start → Settings → Control Panel** and select **System**. In the new window click on the **hardware** tab and select the **device manager**.

Within the **device manager** select your COM port and click with the right mouse button on it. Select **properties** from the list. Go to the **port settings** tab and change the settings of the COM port if required.

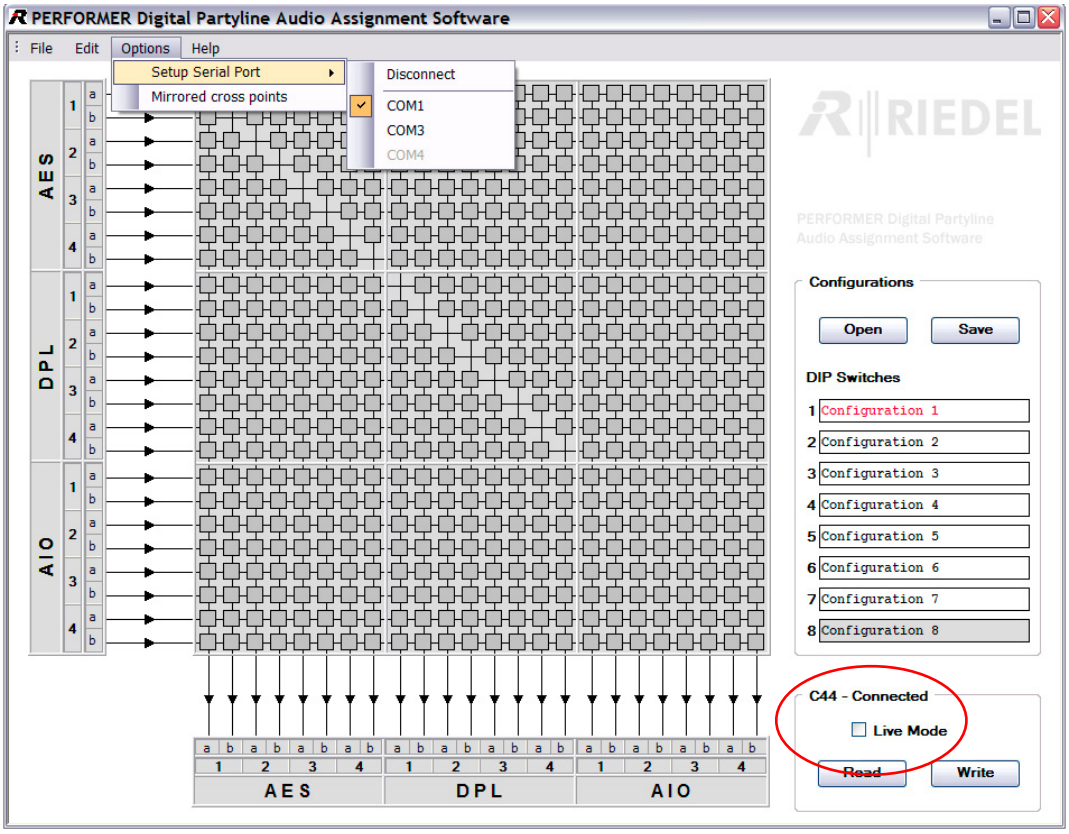
COM port setting	Value
Baud rate	38400
Data bit	8
Parity	None
Stop bit	1
Flow control	None

3.6 Establish Connection to C44

The connection status of the C44 is displayed at the bottom right in the AAS main window. Initially the connection status is “C44 - Not connected” because the serial port is not configured.



Configure the port in the menu **Options → Setup Serial Port** of your AAS.



It may take a few seconds until all available COM ports are visible.

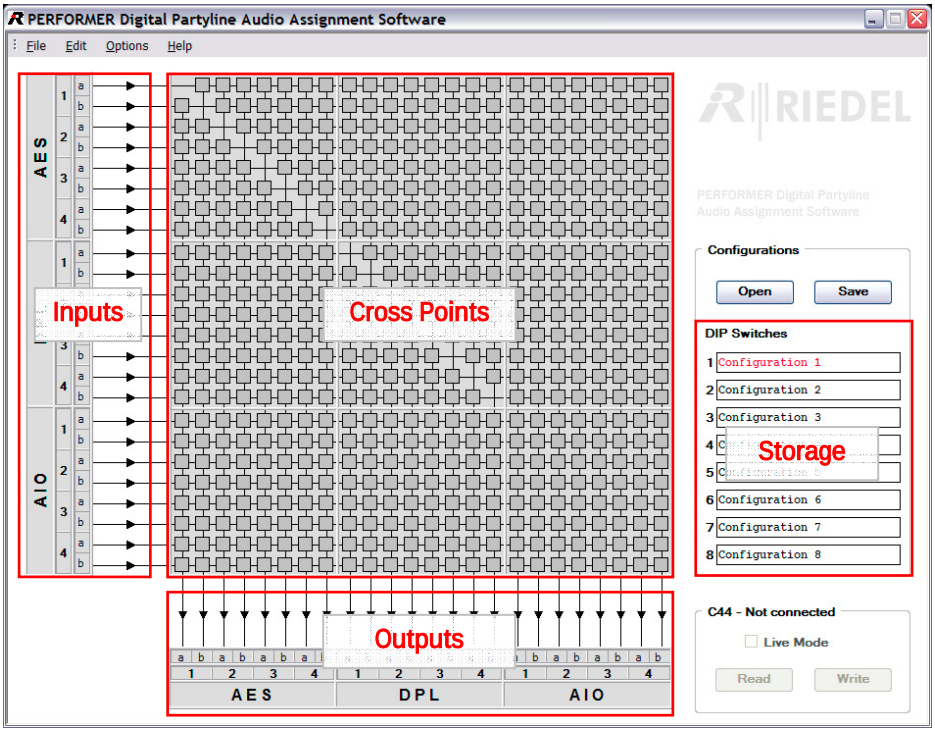
When the port is configured (and the C44 is switched on and is connected to the PC via the null-modem cable) the connection status changes to “C44 - Connected”.

4 SOFTWARE OVERVIEW

The C44 system interface has an internal 24 by 24 digital audio matrix with pre-defined cross point settings (please refer to the *Performer Digital Partyline User Manual* for details). With the Audio Assignment Software (AAS) the cross points of the C44 digital audio matrix can now be changed and eight different setups can be stored.

4.1 Input / Output / Cross Point Change

In the AAS, the cross points of the C44 digital audio matrix are visible in the center of the window. The arrows on the left side indicate the 24 possible audio sources while the arrows on the bottom side represent the 24 possible audio destinations.



The related input / output ports of the C44 are shown below:

AES
Input / output

Digital Partyline (DPL)
Input / output

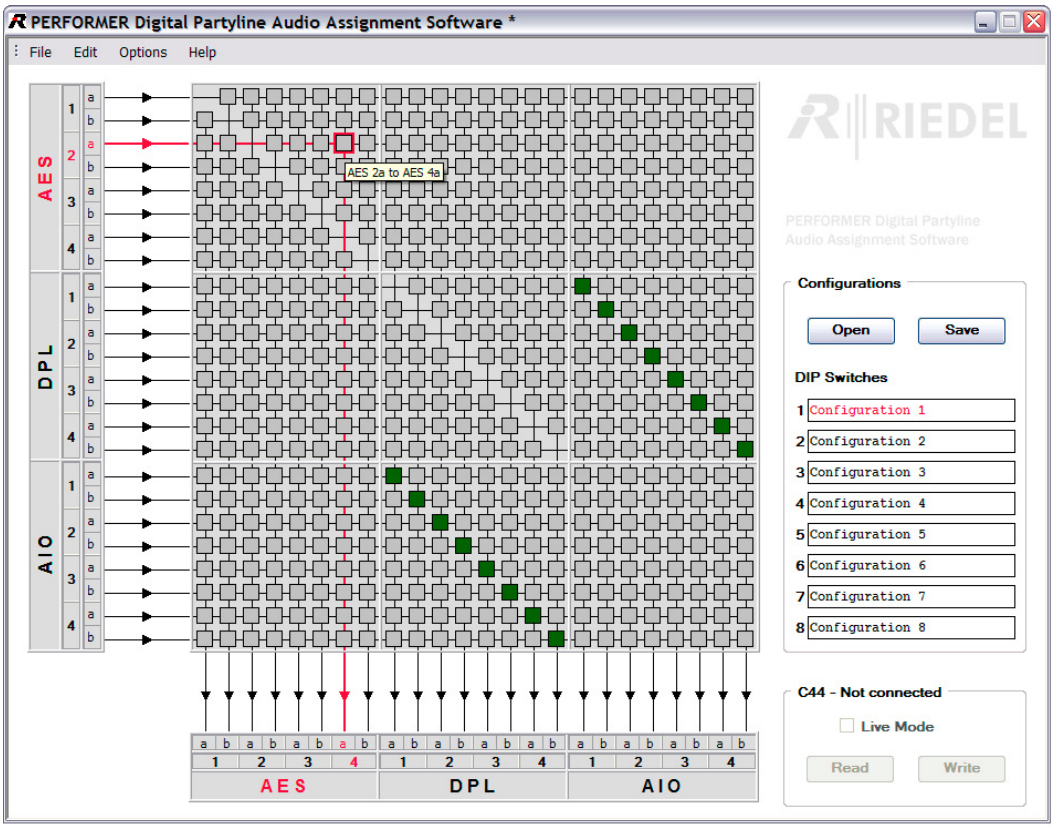
Analog (AIO)
Input / output

Storage
Recall

→ See the *Performer Digital Partyline User Manual* for a detailed pin out of the C44 connectors shown above.

4.1.1 Single Cross Point Change

To change a cross point, simply click on the cross point with the left mouse button. The cross point will change color. An inactive cross point is grey while an active cross point is dark green (offline mode) / light green (live mode).



The red cross hairs helps to see, which cross point the mouse pointer is pointing at. If the mouse pointer is held over a cross point for about three seconds, a cross point quick info appears e.g. AES 2a to AES 4a.

4.1.2 Mirrored Cross Points

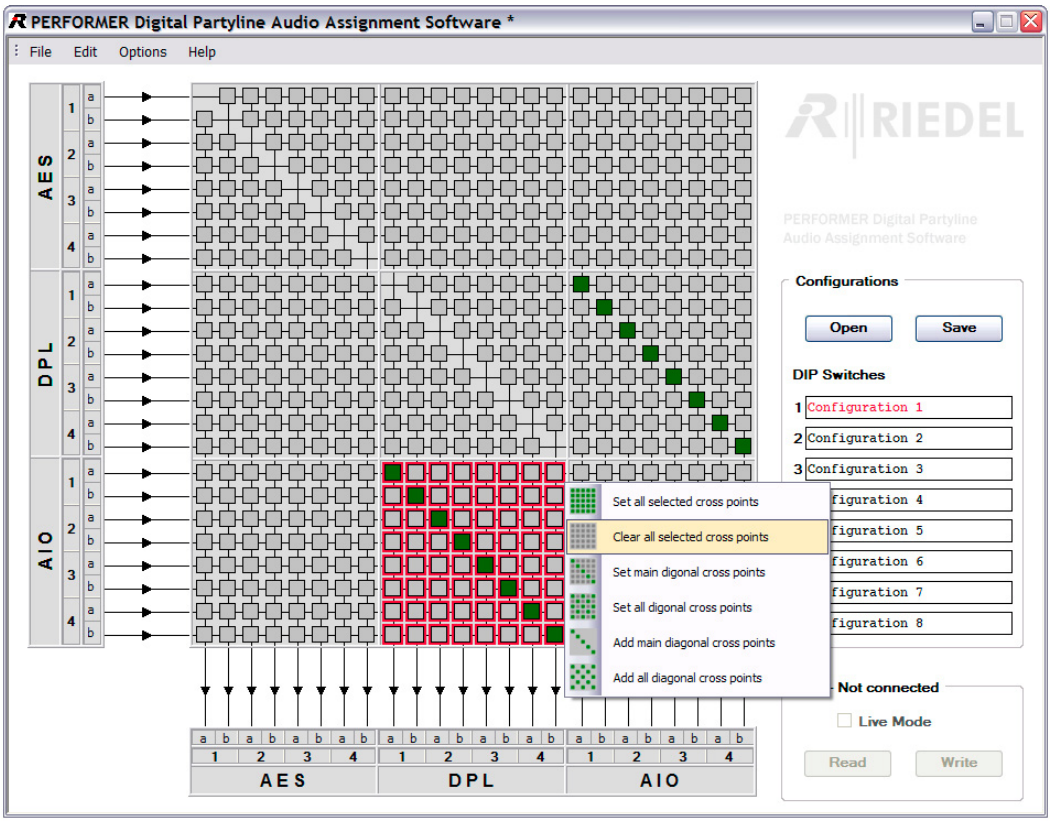
On startup, this function is deactivated. Go to **Options** and click on the **Mirrored Cross Points** to enable the mirrored cross point function. Do the same to disable the function again.

Once the function is activated, each cross point change will also apply to the related mirrored cross point (reverse audio). In other words, if the DPL 1a to 3b input cross point is set, the related output cross point 3b to 1a is set.

Note: This function also applies to the *multiple cross point change* described below.

4.1.3 Multiple Cross Point Change

To change more than one cross point at the same time, use the right mouse button “cross point tool” instead of the left. With this tool, all cross points in a defined rectangle are changed at the same time. Simply set with a first right click one corner of the cross point square. This cross point’s outline stays red and its status and color is not changed. Now select opposite corner of the rectangle. Immediately afterwards the selected area of cross points becomes marked red and a context menu appears.



Within this context menu, the following cross point tool functions can be used:

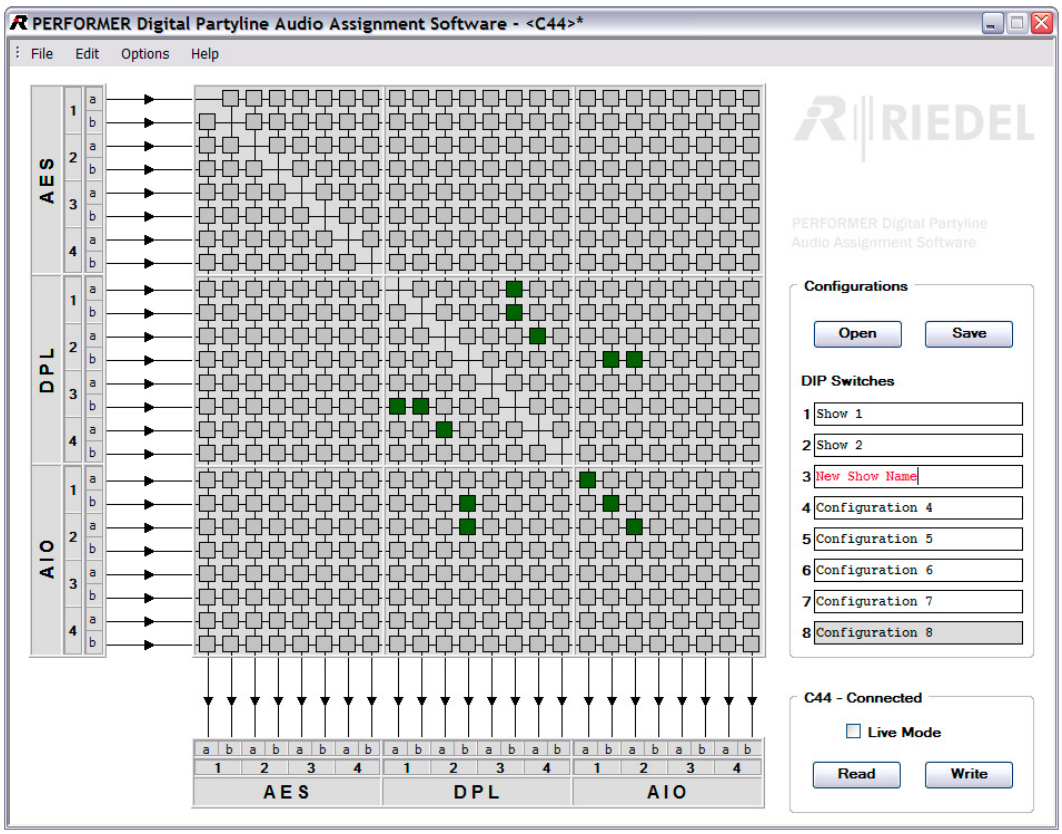
Cross Point Tool Function	
Set all selected cross points	Sets all cross points within the square
Clear all selected cross points	Clears all cross points within the square
Set main diagonal cross points	Sets the main diagonal cross points and clears all others cross points within the square
Set all diagonal cross points	Sets all main diagonal cross points and clears all other cross points within the square
Add main diagonal cross points	Sets the main diagonal cross points and leaves all others cross points untouched within the square
Add all diagonal cross points	Sets all diagonal cross points and leaves all other cross points untouched within the square

4.2 Load / Save Configurations

Configurations can be stored to computer drives directly or to the C44.

4.2.1 DIP Switch Storage Places

The AAS provides eight storage places for eight different configurations on the right side. To change between the configurations, simply click with the left mouse button on the configuration names and the cross point view will change accordingly. The active configuration name is highlighted red. Here, in the screenshot below, configuration three is active.



Rename the active configuration by typing in the new name (max. 26 characters per name) in.

The eight configuration storage places represent the eight DIP switches on the C44 front panel. This enables the C44 – once the configurations are uploaded to the C44 – to recall the configurations without a connection to the AAS. The active DIP switch on the C44 is light in grey. Here, the DIP switch number 8 is active at the C44.

To recall a configuration later from the C44 in offline mode, activate the equivalent DIP switch.

Note: When multiple DIP switches are set at the C44, the configuration with the highest, active DIP switch number is active.

4.2.2 Load from / Save to Computer

Load or save your configuration to or from your computer with the **OPEN** / **SAVE** buttons. Alternatively, use the AAS menu **FILE → OPEN / SAVE / SAVE AS**.

Note: A star next to the AAS title bar indicates a changed, but unsaved configuration.

Before a previously saved configuration is loaded from the computer into the AAS, the software asks if the current configuration version should be discarded (if changed and unsaved).

To reload the original Riedel default settings to your AAS, load the file **default.aas** which is on the Performer CD.

4.2.3 Read from / Write to C44

*Note: The computer needs to be connected correctly to the C44 for this operation (check if the AAS shows "**C44 – Connected**" in the lower right corner)*

Write or read your configuration to or from your C44 with the **READ** / **WRITE** buttons.

Before a new configuration is downloaded from the C44 into the AAS, the software asks if the current configuration version in the AAS should be discarded (if new and unsaved).

Before a new configuration is uploaded to the C44 from the AAS, the software asks if the current configuration version in the C44 should be overwritten (if the configuration is new and unsaved).

Note: The AAS software remembers the origin of the data (C44, file, new) being edited. When changes are written back to the storage the data was read from, the software does not ask for confirmation!

Note: If no DIP switch is set at the C44, changes cannot be written to the C44 although the connection is established correctly!

4.3 Live Mode

*Note: The computer needs to be connected correctly to the C44 for this operation (check if the AAS shows "**C44 – Connected**" in the lower right corner)*

The Offline Mode is the default AAS mode. To enable the Live Mode, check the box **Live Mode** in the lower right corner. This will immediately download the current cross point configuration from the C44 and all active cross points in the AAS will change immediately from dark green to light green.

Before the Live Mode is enabled, the software asks if the current configuration in the AAS should be discarded (if new and unsaved).

In the Live Mode, all cross point changes will be written to the C44 immediately. During the processing, the cross point is yellow.

Note: If no DIP switch is set at the C44, the Live Mode is not possible and changes cannot be written to the C44 although the connection is established correctly!

5 TROUBLESHOOTING

Cross Point Color Concept	Cross Point Function
Grey	Inactive
Dark green	Active (offline mode)
Light green	Active (online mode)
Yellow	Processing
Red border	Selected for cross point tool (right mouse click)

Problem	Cause	Solution
No connection to C44	Wrong / no COM port selected	Select appropriate COM port
	Wrong COM port settings	→ COM port settings
	Wrong / no null-modem cable between computer and C44	Use the null-modem cable delivered with the C44 for the connection
	Wrong C44 version	Update the C44 to version 1.14 through your Service partner
C44 does not follow DIP switch setting	Artist / Performer frame connected to the C44 AES I/O ports	Disconnect from the Artist / Performer frame
	Higher DIP switch might be activated	Set higher DIP switch to OFF
Toggling a cross point affects another cross point too	Mirrored cross points mode is enabled	Disable mirrored cross points mode
Live Mode not possible although connection is established correctly	No DIP switch set (active)	Set (activate) any DIP switch
Changes cannot be written to C44 although connection is established correctly	No DIP switch set (active)	Set (activate) any DIP switch

6 SERVICE

If you have any further questions, we offer comprehensive customer service options for this product including:

- Telephone / Skype service
- E-mail service
- Fax service
- Configuration support
- Trainings
- Repairs

Your primary point of contact for any service issues is your local dealer.

In addition, Riedel Customer Service in Wuppertal, Germany is also available to assist you.

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Skype: riedel.communications.service

(Monday - Friday, 8am – 5pm, Central European Time)

Fax: +49 (0) 202 292 9419

Or use the contact form on our webpage:

www.riedel.net

For repairs, please contact your local dealer. Your dealer will be able to help process your repair as fast as possible and/or arrange for the delivery of spare parts.

The address for repairs sent directly to Riedel Communications is:

Riedel Communications GmbH & Co. KG

- Repairs -

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